



Waymo LLC
1600 Amphitheatre Pkwy
Mountain View, CA

December 2, 2019

Director Ito:

California Public Utilities
Commission
Mr. Douglas Ito, Director
Consumer Protection and
Enforcement Division
505 Van Ness Ave.
San Francisco, CA 94102

Re: Waymo's Drivered
Autonomous Vehicle Pilot
(TCP0038152-A)
Passenger Service
Quarterly Data Report

In accordance with Decision ("D.") 18-05-043 of the California Public Utilities Commission ("Commission") in Rulemaking ("R.") 12-12-011, Waymo LLC ("Waymo") hereby respectfully submits its Drivered Autonomous Vehicle ("AV") Passenger Service Pilot Program data for the August 1, 2019 to October 31, 2019 reporting period.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Neela Paykel', written over a horizontal line.

Neela Paykel
Deputy General Counsel
Waymo LLC
1600 Amphitheatre Parkway
Mountain View CA 94043

Waymo's CPUC-Authorized Autonomous Vehicle Passenger Service Pilot

Waymo LLC ("Waymo"), formerly known as the Google Self-Driving Car Project, is a self-driving technology company with a mission to make it safe and easy for people and things to get around. We're committed to building a safer "driver" and believe that this technology can solve some of the biggest safety challenges on our roads.

On July 2, 2019, the California Public Utilities Commission ("Commission") granted Waymo a permit to conduct a "Drivered AV Passenger Service" pilot, providing passenger service to members of the public in autonomous vehicles ("AVs") with a Waymo-trained driver in the driver's seat of each vehicle.

On September 3, 2019, Waymo submitted its first quarterly report to the Commission for the July 2, 2019 to July 31, 2019 period ("Q3 Report") in accordance with the reporting schedule set forth in Commission Decision ("D.") 18-05-043. In its Q3 Report, Waymo provided a detailed narrative describing its pilot program and data reporting methodology as an accompaniment to the required data appendix. This Q3 Report narrative may be read to provide context to the data Waymo hereby submits in connection with pilot operations for the August 1, 2019 to October 31, 2019 period ("Q4 Report"), as presented below and detailed in the attached Q4 data appendix.

Roadmap of Waymo's August 1, 2019 to October 31, 2019 Data

During the reporting period, Waymo vehicles provided: (a) point-to-point rides hailed by the Waymo app to 23,772 passengers on 19,678 trips; and (b) educational demonstration rides to 202 passengers on 71 trips.

1. ***Total quarterly vehicle miles traveled during passenger service by all vehicles in the entity's list of AV equipment, provided per-vehicle***
 - See Appendix Tab 1 (Fleetwide Data), cells B2 (Quarterly Total), C2 (August), D2 (September), and E2 (October) for fleetwide totals. See Appendix Tab 2 (Per-Vehicle Data), Row 3 for quarterly totals by vehicle.
2. ***Total quarterly vehicle miles traveled during passenger service that are served by electric vehicles or other vehicles not using an internal combustion engine, provided per-vehicle***
 - See Appendix Tab 1 (Fleetwide Data), cells B3 (Quarterly Total), C3 (August), D3 (September), and E3 (October) for fleetwide totals. See Appendix Tab 2 (Per-Vehicle Data), Row 4 for quarterly totals by vehicle.
3. ***Total quarterly vehicle miles traveled during passenger service, from the vehicle's starting location when it first accepted a trip request to the pickup point for each requested trip, expressed in miles and provided per-vehicle***
 - See Appendix Tab 1 (Fleetwide Data), cells B4 (Quarterly Total), C4 (August), D4 (September), and E4 (October) for fleetwide totals. See Appendix Tab 2 (Per-Vehicle Data), Row 5 for quarterly totals by vehicle.

4. ***Amount of time each vehicle waits between ending one passenger trip and initiating the next passenger trip, expressed as both a daily average and a monthly total in hours or fraction of hours for each vehicle (idling or dwell time)***

- See Appendix Tab 1 (Fleetwide Data), cells B5 (Quarterly Total), C5 (August), D5 (September), and E5 (October) for fleetwide totals. See Appendix Tab 2 (Per-Vehicle Data) for monthly totals (Rows 6, 7, and 8) and daily averages (Rows 10 *et seq.*) by vehicle.

5. ***Vehicle occupancy (total number of passengers) in each vehicle for each trip***

- See Appendix Tab 1 (Fleetwide Data), cell B6 (Quarterly Total), C6 (August), D6 (September), E6 (October) and Tab 3 (Per-Trip Data) for fleetwide totals. See Appendix Tab 3 (Per-Vehicle Passenger Count Data) for per-trip data. Note that, in order to make per-trip passenger count data easier to reference, we created a dedicated tab for this metric instead of incorporating the data into the per-vehicle data tab as we did for our Q3 Report. Per-trip passenger count for education demonstration rides are in the last rows of Tab 3.

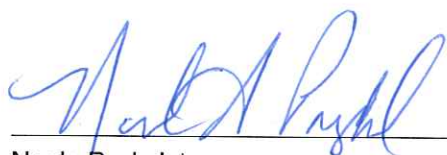
6. ***Accessible Rides***

- In addition to the 188 accessible rides taken by riders who voluntarily self-reported rides used to accommodate an accessibility need (see Appendix Tab 1 (Fleetwide Data), cell B7), on 5,235 rides, riders had activated one or more of Waymo's accessibility features, including the honk button, additional in-vehicle audio cues, or the setting that minimizes walking time where possible, including preventing the need to cross the street.

VERIFICATION

I am Deputy General Counsel of Waymo LLC, and am authorized to make this verification on its behalf.¹ The statements in the foregoing document are true of my own knowledge, except as to the matters that are therein stated on information and belief, and as to those matters I believe them to be true. I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 2, 2019, at Mountain View, California.



Neela Paykel
Deputy General Counsel
Waymo LLC
1600 Amphitheatre Parkway
Mountain View CA 94043

¹ See the Waymo LLC *Power of Attorney Declaration Form (Charter Party Carrier Authorities)* dated January 15, 2019, delegating signature authority in accordance with the instructions contained therein and the CPUC's jurisdiction under Public Utilities Code Sections 5351-5445 & 1031-1046.